

## NUMBER 54

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## Improve Montreal Harbor

May Move Passenger Section Five Miles Eastward

Plans for the complete rebuilding of Montreal harbor were outlined at a meeting of the Montreal harbor commissioners. The plans would allow quicker access from the St. Lawrence river, higher water, easier dredging in the softer bottom and elimination of the "St. Mary's current."

It was learned the harbor plans will in time move the whole passenger harbor about five miles eastward. The drawings show eight new piers, four of which will be long piers likely accommodating two ships, while in between them are four shorter piers. It is expected the new piers will accommodate about 40 vessels.

Decision to move the harbor further east, it was learned, came after a statement by Chief Harbor Engineer Paul Lescaire that dredging is a much easier task in the softer bottom further down the river.

Moving of the passenger section eastward, with softer bottom allowing easier dredging, would deepen the water, is expected to bring larger ocean-going ships to Montreal. In time it is hoped to have the channel deepened to 40 feet.

The St. Mary's Current, which makes shipping at times hazardous, is practically negligible further down the river, it was stated.

The new harbor development would cut down the time in the run from Quebec to Montreal by about an hour.

## Real Market For Seeds

Canada Imports Thousands Of Pounds From Many Countries

Since last July Canada has imported over 1,000,000 pounds of field crop seeds and 937,000 pounds of garden seeds not including flowers. Among the biggest importations are 464,000 pounds of alfalfa seed, 89,000 pounds of blue grass, 32,000 pounds of Cheviot's fescue, 465,000 pounds of red clover, 130,000 pounds of red top, 98,000 pounds of perennial ryegrass, 148,000 pounds of timothy seed, 123,000 pounds of corn, 15,000 pounds of cucumber seed, 27,000 pounds of lettuce, 28,000 pounds of onion seed, 297,000 pounds of peas, 81,000 pounds of radish, 31,000 pounds of spinach, 14,000 pounds of turnip seeds.

In the garden seeds there were 83,000 pounds of beans, 64,000 pounds of beet seed, 70,000 pounds of carrot seed, 123,000 pounds of corn, 15,000 pounds of cucumber seed, 27,000 pounds of lettuce, 28,000 pounds of onion seed, 297,000 pounds of peas, 81,000 pounds of radish, 31,000 pounds of spinach, 14,000 pounds of turnip seeds.

The sources of origin of these seeds is of interest; for instance the peas came chiefly from the United States and the British Isles, but there was also some from France, Holland, Italy, Japan and China. The turnip seed came from the British Isles and the United States and also from Holland, Denmark, Japan and China.

The seed of kohi rabi was collected from the United States, Great Britain, Holland, Denmark and Italy.

The sugar beets came chiefly from Germany, but there were also sizeable amounts from Holland, Czechoslovakia, Poland, Britain, the United States and Denmark.

Spain enters into the picture in the onion seeds as well as the U.S.A., the British Isles, France, Holland, Italy, Japan and China.

## Strange Substance

Produce Hormone That Has Effect Of Taming Wild Animals

Japan's prophecy that the lion and the lamb shall lie down together and a little child lead them was shown to be a scientific possibility at the American Philosophical Society meeting in Philadelphia.

The chemical substance to tame both animals is available if anyone wants to try it out.

The society was shown motion pictures of a fierce, flesh-eating, grown rat lying down with a new-born squab and trying to mother it. The pictures were shown by Dr. Oscar Riddle, of the Carnegie Institution of Washington.

The rat had received an injection of prolectin, a hormone produced by the pituitary glands of human and all mammals, including lions. The rat was an unmated female, with nothing but wild instincts, and no previous experience with mothering anything.

The prolectin induced immediately a maternal instinct so powerful as to make the rat's natural appetite for eating young squabs.

Prolectin was discovered three years ago by Dr. Riddle. Previous experiments with it indicate that it acts on all animals in similar fashion. Its primary function is to cause female mammals to give milk for their young. It has done that even when given to males.

The milkman is becoming quite diversified in his line of products. Not only does he deliver orange juice, eggs, cheese and milk to New York residents, but in Providence he has added oysters to his morning deliveries.

"I regret the chancellor has made no survey of this important factor," says a University Committee, echoed Sir Herbert's sentiment.

## SHE PLAYS ORGAN AT 75 YEARS

## Takes Kruschen To Keep Rheumatism Away

Writing to tell how she keeps her activity, this wonderful old woman says:

"My hands were becoming so crippled I had to give up piano and organ playing—and almost entirely gave up knitting. I have been using Kruschen Salts for nearly two years, and am very pleased with the result. Last August I played two church services on the organ, and hope to do so again this August. My legs are strong and light, and quite supple, and I am 75. I have recommended Kruschen Salts to many people."

The six mineral salts of Kruschen have a direct effect upon the whole bloodstream, neutralizing uric acid, which is the recognized cause of rheumatism, and also prevent the eliminating organs to proper working order, and prevent conditions whereby checking the formation of uric acid and other body poisons which undermine the health.

## Currency Stabilization

Want Anglo-U.S. Conference To Settle The Question

Stabilization of currencies is being introduced into the budget debate in the British House of Commons by Sir Herbert Samuel, leader of the Liberal opposition, and other speakers.

"I wish the chancellor in his report had expressed a desire to secure a measure of stabilization of currencies," he could have told us some form of a conference is contemplated with the United States upon which, fully as much as upon ourselves and France, the decision rests," said Sir Herbert.

"Britain depreciates the yen, America the dollar, Belgium the belga, Japan the pound," Sir Herbert continued. "Depreciation is one of the prime reasons for the low level at which the state of the world continues."

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## Dominate Cotton Industry

Japanese Wrestling The Industry From Chinese Territory

Japanese commercial expansion in North China has reached the point of almost complete domination of the cotton industry, most important enterprise in the area, with only one mill remaining wholly under Chinese ownership.

Threats of actual military penetration of this region, formerly the seat of the Chinese dynasty, have long since died down, but observers point out the Japanese conquest of the vast territory north of the Yellow river continues with Japanese capitalists, diplomats and businessmen taking up where the soldiers left off.

The first book of American cooking recipes has been attributed to Eliza Leslie, Bostonian, the date being 1830. 2096

## NEW YELLOW LABEL

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## Your Boys

I have four sons, two of them approaching the age when they must go out and earn the earning of a living, enter a man's world. I am disturbed and troubled over the prospect of the difficulties which for the time being may confront these young men in the new employment and making a start in life? No, he is wise enough and has had experience enough to realize that countries thousands of other young men starting to carve out careers for themselves had to face difficulties and had many obstacles to overcome. No doubt he passed through such experiences himself. It has been the way of the world since time immemorial.

Nevertheless this father of four boys is worried. He has reason to be, and so, too, have other parents all over the land. This man writes that all this recent propaganda, these ever repeated demands, that the Government should guarantee "the security of the home, the security of livelihood and the security of social insurance" causes him to wonder if the prospect of such sheltering, so much safeguarding, so much financial protection, so much paternalism will cause his boys to discount, disregard, despise his teachings.

I have, he says, tried to impress upon them that they must fit themselves to take the earning of a living, enter a man's world. He has tried to impress upon them that they must cultivate a spirit of manly independence, that they must be prepared to earn every penny coming to them, that they must expect nothing for nothing in this world.

To achieve this, I have emphasized that they must be studious and industrious, that they must exercise rational frugality and self-denial until they have accumulated a competency, that they must aspire not only to take care of themselves and their dependents, but to acquire means to aid generously those who are in need.

I have warned them against extravagance, ostentation, thriftlessness, thoughtlessness, in order that they may escape the hardships and humiliations which befall so many in old age, explaining that it is infinitely better to be able to bestow charity than to be compelled to accept it.

"Don't let any professor convince you," I tell them, "that the world owes you a living." Get it firmly into your head that it is up to you to fit yourself to earn a living and that you will encounter plenty of competition. Don't hesitate to sacrifice in the fore part of your life if you hope to fare well in the later part of your life. Rainy days will come. Make diligent provision for them.

I tell them that, going forth in this spirit, eager to put more into the world than they hope to take out of it, and possessing unshakable faith in the eternal laws of justice and righteousness, they will find life joyous, they will accept difficulties as a challenge to their manhood, that, doing the right, they will never be tempted to give way to despair, but will find their own life increasing in happiness and service with the passing years.

Above all, that they must not be drones, loafers, leeches; that they must exert themselves to the utmost to be useful; that through self-discipline and self-denial they may reasonably hope to earn the means to practice generosity and unselfishness.

Now, however, there is danger before them the prospect of an earthly Utopia, ruled by a Santa Claus Government, pictured as prepared to shoulder responsibilities which it was taught could be and must be discharged only by each individual for himself, responsibilities which were portrayed not only as inescapable, but as essential to the development of sturdy manhood, development of the soul, development of sterling character.

I am somewhat troubled lest my own young men and other young men may imitate the notion that hereafter there is to be no more struggle for supreme effort, less need for self-denial and self-discipline, less need for sacrificing to save, less necessity for self-reliance, less occasion to worry over finding work to do in the world or to sweat to perform it unstintingly, less reason for systematically striving to provide for old age.

Perhaps this man is unduly concerned about the effect which all the loose talk of to-day about taking no thought of the future—that the Government will look after everybody at all times and under all possible sets of circumstances—is having on the youth of the country. Possibly his anxieties and questionings will prove wholly unwarranted. Let it be hoped so for his sake, and the sake of his four boys and of all other young men so far as they are tempted to disregard the teachings, the lessons and experiences of past generations and, throwing self-reliance and self-effort to the winds, become leeches on the state.

Nevertheless, all thoughtful and conscientious fathers and mothers must be perturbed as they witness the outpourings of dreamers and idealists preaching false doctrines and seeking to wean the young people of to-day away from acceptance of and belief in these cardinal qualities which constituted the character of the young men of the past, and who have inspired on the life and progress of the world, and lived useful lives. The worst enemies of youth are those self-appointed advocates and saviors who present to them as ideal a life into which almost every country of the world has been plunged, free of worry, free of difficulties, with Governments paying the role of Santa Claus every week and month of the year.

## Chain Is Growing

The solid gold chain worn by the Lord Mayor of Ontario, worth \$50,000, has been handed down from official to official for the past 237 years without so much as a link being niched in transit. Indeed, it is the custom for the outgoing Lord Mayor to add a gold link to the chain as he passes it to his successor.



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## Little Journeys In Science

## SOAP

(By Gordon H. Guest, M.A.) When fat or oil and alkali are heated together under proper conditions soap and glycerin are produced. Soap is made commercially on a very large scale. The oil or melted fat goes into huge kettles together with a solution of lye. As a rule the kettles are very large, 500,000 pounds or more of soap being made in some of them in a single heating. They are provided with forcing live steam into the bottom of the mixture. The chemical reaction which takes place in soap-making is completed in about one day. The soap is then suspended as very fine particles in the liquid present, or the chemist would say that the soap is in the form of a colloidal dispersion. To obtain the soap in the solid form common salt is added and this process is known as "salting out". After the salt is added and the mixture heated, the soap rises to the top of the liquid and the soap thus obtained is purified by washing and setting processes and is then run into the mixing machine called the cutcher. Here it is mixed with substances such as perfume, borax, waterglass, or washing soda. It is then run into large molds called frames to harden, after which it is cut and pressed into cakes of the desired size.

Transparent soaps are usually made by dissolving dry soap in alcohol and adding from 15 to 25% of sugar. Cattle soaps are made of olive oil. The colour of most soaps is produced by the addition of Prussian blue or some similar pigment. Floating soaps owe their lightness to bubbles of air and naphtha. Soap contain about 5% of petroleum naphtha. Scouring soaps contain from 10% of soap and from 80 to 95% of some material such as fine sand or volcanic ash. Household soaps usually contain a mixture of washing soda and ground soap to the extent of 10 to 25%.

## Cheap Railway Fares

One Cent A Mile Excursions From The East

One-cent-a-mile excursion facilities will be offered between May 15-28 inclusive from points in eastern Canada to the Pacific coast by Canadian railways, it was announced at Montreal.

Offered particularly for easterners wishing to visit western points these trips will include stopover privileges in the west on the going or return trip or both. Return limit is 90 days.

The Big Bend area of Texas is a triangle of about 5,000 square miles enclosed by the big bend of the Rio Grande river.

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The total value of the imports of bulbs, plants, and shrubs amounted into Canada in 1934 amounted to \$600,187. The Netherlands supplied 62 per cent. of these imports; the United States, 17 per cent; Belgium nearly 7 per cent, and Great Britain under 5 per cent.

## TIRED and IRRITABLE

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